

05 August 2022

VIA EMAIL

ERM Reference No. 0547409/0621361

Mr. Julio Vazquez
Remedial Project Manager
Superfund & Emergency Management Division
EPA – Region 2, 290 Broadway, 19th Fl, New York, NY 10007-1866

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Melville, NY 11747
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Re: Progress Schedule For PDI Directives 1 & 2
Group B Respondents for Central Plume:
(Arkwin Industries, Inc., Tishcon Corporation and Patel Trust July 29, 1977)
Group C Respondents for Eastern Plume:
(101 Frost Street Associates, L.P. and Next Millennium Realty LLC)
New Cassel Hicksville Groundwater Contamination Superfund Site - Operable Unit 1
Unilateral Administrative Order for a Remedial Design - Index No. CERCLA-02- 2018-2015

Dear Mr. Vazquez:

On behalf of the above referenced Group B & C Respondents, please find attached a Draft Gantt Schedule reflecting progress and future anticipated milestones for the ongoing execution of the Scope of Work for Pre-Design Investigation (PDI) Directive 2 set forth in 17 May 2018 Amended Unilateral Administrative Order for Remedial Design - Index No. CERCLA 02-2018-2015 with the Pre-Design Investigation Work Plan (PDI WP), and with an 18 June 2018 Amended Remedial Design Statement of Work #1 for Operable Unit 1 (SOW) (collectively the "Order"), as modified in EPA's 16 June 2021 Amendments to Order Pre-Design Work Plan and Comment Letter¹.

The schedule:

- Shows progress since EPA's authorization to proceed on 10/20/2021;
- Identifies task durations, and start and end dates (or predicted end dates) for those tasks as well as concluding milestones;
- Maps critical path task dependencies and associated milestones; and
- Illustrates task and milestone responsibilities using color coding, i.e., EPA, Central Plume Respondents, Eastern Plume Respondents and/or Common Element Actions coordinated by ERM as the designated Project Coordinator.

There are two key issues discussed further below that require schedule adjustments based on actual field conditions and EPA's assumption of responsibility to complete PDI Directive 1² since preparation of the schedule set forth in Section 6 of the SOW.

1. Extension for Submittal of the Draft PDI Directive 2 Technical Memorandum until 02 December 2022 Is Required

Line 11 of the Remedial Design Schedule set forth in Section 6 in the SOW and discussed in Section 3.1.b(2)(iv) requires submittal of the Draft PDI Directive 2 Technical Memorandum as a Common Work Element 12 months after EPA's authorization to proceed with PDI Directive 2³ which would be a deliverable date of 20 October 2022. This is a Common Element Deliverable prepared by both the Central and Eastern Plume Respondents and timing thereof is co-dependent on completion of both fieldwork programs.

Drilling and groundwater sampling conditions encountered during both the Central and Eastern Plume field programs have been more difficult than anticipated despite using state-of-the-art roto sonic drilling

1 16 June 2021 email from Julio Vasquez, USEPA Remedial Project Manager to Ernest Rossano, Project Coordinator (ERM).

2 15 June 2018 letter from John B. Prince, USEPA Acting Director, USEPA Region 2 Emergency and Remedial Response Division to Various Counsel for Central Plume and Eastern Plume Respondents wherein EPA committed to completing both rounds of PDI Directive 1 - Synoptic Water Level Gauging & Groundwater Sampling for the Western, Central and Eastern Plumes.

3 16 June 2021 email from Julio Vasquez, USEPA Remedial Project Manager to Ernest Rossano, Project Coordinator (ERM).

technology extending the duration to complete each soil/groundwater volatile organic compound (VOC) concentration profile boring (profile boring).

Central Plume

For Central Plume field operations, EPA has required some of the profile borings to be drilled to greater depths than originally anticipated based on real-time VOC findings. EPA also recently informed the Central Plume Respondents that performance of a seventh profile boring (PDI-30 based on the results of PDI-33) is required and it is estimated that that Central Plume fieldwork will not be completed until the end of August. This is reflected in the draft schedule.

Eastern Plume

For Eastern Plume field operations, in March 2022, EPA expanded the scope of the approved October 2021 work plans to include profile borings at the locations of MW-40, MW-42, MW-43, and MW-45. Subsequent work plan revisions (April 2022) were required prior to field mobilization and the additional profile borings extended the field effort, originally scheduled to be completed in two to three months. It is anticipated that that the current fieldwork scope (PDIs 41, 43, 44 & 45) will not be completed until the end of October, assuming PDIs 40 and 42 remain optional as described below in Section 2. This is also reflected in the draft schedule.

Assuming the Eastern Plume fieldwork can be completed as estimated by the end of October, and EPA does not require performance of optional profiles PDI-40 and/or PDI-42, it is requested that EPA grant a schedule extension for submittal of the Draft PDI Directive 2 Technical Memorandum from 20 October 2022 until 02 December 2022. This is reflected in the draft schedule.

2. Additional Eastern Plume Profiles Would Necessitate Extension for Submittal of the Draft PDI Directive 2 Technical Memorandum Until End of January 2023

If EPA requires performance of optional profile locations PDI-40 and/or PDI-42, it is estimated that these additional profiles extend completion of the Eastern Plume fieldwork until the end of December 2022. Subsequent time would be required for receipt and validation of the last groundwater data packages and assimilation of the same into the Draft PDI Directive 2 Technical Memorandum and a submittal extension until the end of January 2023 or first week of February 2023 would be required. This is not reflected in the draft schedule but should be noted at this time.

3. Extension for Submittal of the Draft PDI Directive 2 Recommendations Report until 03 March 2023 Is Required

Line 12 of the Remedial Design Schedule set forth Section 6 in the SOW and discussed in Section 3.1.b(2)(v) requires submittal of the Draft PDI Directive 2 Recommendations Report Memorandum 30 days after submittal of the Draft PDI Directive 2 Technical Memorandum. This schedule was prepared prior to EPA's assumption of responsibility to complete both rounds of groundwater sampling and analysis anticipated in PDI Directive 1.

Preparation of the Draft PDI Directive 2 Recommendations Report, another Common Element Deliverable, relies on EPA's provision of the PDI Directive 1 Round 2 analytical data. Using input from EPA for the timeline of performance of PDI Directive 1 Round 2 and assuming fieldwork for PDI Directive 1 will not start until all Central and Eastern Plume wells are installed, it is anticipated that the Central and Eastern Plume Respondents will not receive that information from EPA until the end of December 2022. Time would then be required for assimilation of those data into the Draft PDI Directive 2 Recommendation Report and subsequent Draft PDI Directive 2 Recommendations Report Presentation to EPA.

Assuming the timeline outlined above is accurate, the Eastern Plume fieldwork can be completed as estimated by the end of October, and EPA does not require performance of optional profiles PDI-40 and/or PDI-42, it is requested that EPA grant a schedule extension for submittal of the Draft PDI Directive 2 Recommendations Report until 03 March 2023. This is reflected in the draft schedule.

As noted above, it is estimated that performance of Eastern Plume optional profile locations PDI-40 and/or PDI-42 will extend completion of the Eastern Plume fieldwork until the end of December 2022. This would push delivery of the Draft PDI Directive 2 Recommendations Report until back until early April following the necessary post-fieldwork sequence described above. This is not reflected in the draft schedule but should be noted at this time.

Once EPA has an opportunity to complete its review of the schedule and consider the issues outlined above, it is suggested we confirm concurrence and identify any additional needed administrative actions to amend the schedule with the requested extension steps (if any) on the next biweekly technical call schedule for Friday, 12 August 2022.

If you should have any questions, please do not hesitate to call me at (631) 756-8920.

Sincerely,



Chris W. Wenczel, P.G.
Consulting Director/Hydrogeologist/Project Coordinator

cc: Sharon Kivowitz, Esq., USEPA
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Ernie Rossano, ERM Consulting & Engineering, Inc.

DRAFT

PRE-DESIGN INVESTIGATION - SCHEDULE FOR CENTRAL AND EASTERN PLUME GROUPS

NEW CASSEL/HICKSVILLE GROUNDWATER CONTAMINATION SUPERFUND SITE : OPERABLE UNIT 1

NASSAU COUNTY, NEW YORK

